THIRD YEAR COURSE.

ENGINEERING GROUP.

(*a*) *Irrigation.*—Quantity of water required for irrigation, capacity of taken, catchment basin, full tank level and maximum water level. Brief notes on tanks, reservoirs, sluices, weirs, anicuts and its allied works, channel drop and cross drainage works.

(*b*) *Hydraulics.*—Empirical formulas for finding out discharges through sluices, weirs and channels. Estimation of maximum flood discharge from basin, requisite length of weir, idea of run-off.

(*c*) *Architecture.*—Different styles and classic orders. Coping, cornices, ornamental parapets. Ideas of proportion, light and shade. Break in plan and elevations. Proportion of voids and solids.

(*d*) *Applied Mechanics and Graphic Statistics.*—Ideas of stresses, strains and elasticity, factor of safety, ultimate and working strengths of materials, bending moments and shear.

(*a*) (1) Building drawing from specifications No. 1.
(2) Do Architectural Drawing—Showing details of different columns, cornices, coping and ornamental parapets (No. 1.)
Stress diagrams of a King Post and Queen Post and other simple trusses.

(*b*) *Bridge Drawing*—(1) Ferro Concrete (No. 1.)
(1) Girder (No. 1.)

(*c*) *Irrigation Drawing* (1) Anicut and its allied works.
(2) Masonry drop and relieving weir.
(3) Syphon.
(4) Aqueduct or superpassage.
} No. 4.

(*d*) Tracing on cloth and taking blue print copies. (No. 2.)

(*e*) Reduction and enlargement to scale. Finished drawings from original maps or diagrams (No. 1.)

General.—Uses of planimeters and pantagraphs to be explained. Students to be taken out for taking sketches of structures for preparing drawings.

Estimating Group.—Taking out quantities and framing estimates from drawings of the following examples:—

(1) Building (an office or bungalow.) No. 1.
(2) A ferro-concrete bridge ,,
(3) A girder bridge ,,
(4) An anicut and its allied works. ,,
(5) An aqueduct .. ,,
(6) Specifications and data of costs.

General.—All estimates to be inked and completed with local rates.

DRAFTSMAN CLASS.

Distribution of Marks.

Subject	Practical or (Session)	Examination	Total
I. Engineering Group.—			
(1) Materials and construction including Architecture ..	..	50	
(2) Irrigation and Hydraulics	..	50	
(3) Applied Mechanics and Graphic Statistics ..	..	50	
Total ..	..	..	150
II. Drawing Group.—			
(*a*) Building	40	75	
(*b*) Bridge	40	75	
(*c*) Irrigation work	80	100	
Total ..	160	250	410
III. Estimating Group.—			
(a) Building	30	90	
(b) Bridge	30	90	
(c) Irrigation work	40	100	
Total ..	100	280	380
Physical exercises, attendance and general behaviour ..	60	..	60
Grand Total ..	320	680	1,000

NOTE.—To secure a pass, a student should obtain 35 per cent of the marks in each group and 50 per cent of the grand total. Those who obtain not less than two-thirds of the maximum will be declared to have passed with honours.

Powers of District Forest Officers.

READ—

Para 151 of the Report of the Public Accounts Committee on the accounts of the year 1928-29, deprecating the practice prevailing in certain Sale Depots, of allowing the delivery of timber sold to purchasers before the sale is confirmed and suggesting that the question of enhancing the powers of District Forest Officers to confirm sales up to Rs. 1,000 might be investigated by the Chief Conservator of Forests.

2. Letter No. I. 83-29, dated the 28th August 1930, from the Chief Conservator of Forests in Mysore, submitting his proposals on the subject.

ORDER THEREON NO. G. 3929-30—FT. 77-30-4, DATED 11TH OCTOBER 1930.

The District Forest Officers have at present power to confirm timber sales up to Rs. 500 in value and sales exceeding this limit require confirmation at the hands of the Conservator or the Chief Conservator as the case may be. But in actual practice, even in cases of sales exceeding Rs. 500 in value, the District Forest Officers are said to be in the habit of allowing the removal of timber sold before the sale is confirmed to suit the convenience of purchasers coming from the adjoining British Districts. Such a practice should in future be discontinued as it will have the effect of compelling the higher authority to confirm the sale or will lead to complications if the sales are not confirmed.

2. With a view to obviate the inconvenience that is likely to be caused to the purchasers of timber by the existing rules, Government are pleased to direct that the powers of District Forest Officers to confirm timber sales be enhanced from Rs. 500 to Rs. 1,000 subject to the following conditions:—

(1) That the rate realised in a sale does not fall short of the average of the three previous sales by more than five per cent or is more than that realised at the previous sales.

(2) That the power of confirming sales up to the limit of Rs. 1,000 should be exercised only in the case of timber.

(3) That the confirmation of sales is ordered by District Forest Officers only after payment of the full purchase money

R. RANGA RAO,
General Secretary to Government.

Recruitment to the Establishments under Municipal Councils.

READ—

Government Order No. 6129-6192—Ml. 145-24-52, dated 19th February 1925, approving, among other matters, of the employment as a general rule of only Officials in Government Service by Town and Minor Municipal Councils for all non-gazetted executive and clerical appointments excepting a few specified therein and approving of certain rules in the matter.

2. Government Order No. L. 5347-407—Ml. 22-26-42, dated 2nd February 1927, directing that the provisions of the rules approved in the Government Order of 19th February 1925, be made applicable to the Non-Gazetted executive and clerical appointments under the Bangalore City Municipal Council and requesting the Municipal Council to submit necessary rules under Section 44 of the Mysore Municipal Regulation.

3. Correspondence ending with letter No. L. 5408—Ml. 22-26-43, dated 2nd February 1927, to the President, Mysore City Municipal Council, suggesting that the rules applicable to recruitment of Non-Gazetted executive and clerical appointments should be uniform in both the City Municipalities and requesting the submission of necessary rules for the approval of Government.

4. Government Order No. L. 6052-123—Ml. 158-26-1, dated 1st March 1927, issuing certain rules regulating recruitment, pay and other matters relating to the officers and servants of Town and Minor Municipal Councils.

ORDER NO. L. 3318-36—ML. 167-30-2, DATED 25TH OCTOBER 1930.

The rules approved in the Government Orders of 19th February 1925, 2nd February 1927 and 1st March 1927 read above, provide for the employment of